GOVERNMENT OF INDIA
COMMUNICATIONS AND INFORMATION TECHNOLOGY
LOK SABHA

STARRED QUESTION NO:141
ANSWERED ON:03.12.2014
SUPER COMPUTERS
Girri Shri Maheish;Saraswati Shri Sumedhanand

Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

(a) whether the Centre for Development of Advanced Computing (C-DAC) is working on developing super computers/ super computer grid and if so, the details thereof;

(b) the budget allocated for the said purpose in the year 2014-15;

(c) the number of Super Computers available and the institutions operating them for research and development; and

(d) whether the Government has any plan to ensure that India reaches at par with China in super computing capabilities and if so, the details thereof?

Answer

MINISTER FOR COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI RAVI SHANKAR PRASAD)

(a) to (d) : A Statement is laid on the Table of the House.

STATEMENT REFERRRED TO IN REPLY TO LOK SABHA STARRED QUESTION NO. 141 FOR 03.12.2014 SUPER COMPUTERS

(a): Yes, Sir. Keeping in view the worldwide technology trends and growing requirement in the country in the domains of cutting edge R&D, the Government has decided to provide an impetus to Supercomputing in the 12th Plan. A proposal on `National Supercomputing Mission (NSM): Building Capacity & Capability` with an outlay of Rs. 4500 crore over a period of seven (7) years during the 12th five-year plan period (2012-2017) has been evolved jointly by C-DAC and IISc. C-DAC has an experience of operationalizing Supercomputer grid GARUDA (Global Access to Resource Using Distributed Architecture) as a part of National Grid Computing Initiative of DeitY.

(b): To initiate the supercomputing activities, Rs. 42.50 crore for National Super Computing Mission has been proposed in the year 2014-2015.

(c): India has approximately 30 supercomputers most of which are located at institutes of higher learning like IISc, IITs and national labs like Indian Institute of Tropical Meteorology (IITM), C-DAC, CSIR-Fourth Paradigm Institute and National Centre for Medium Range Weather Forecasting (NCMRWF) etc.

(d): Yes, Sir. India`s position at the end of the Supercomputing Mission would be in top few nations in the world in the league of Supercomputer countries such as USA, Japan, China and EU.